

All On Board

Welcome

Welcome to this newest edition of the SOBT Newsletter. It seems that changes are occurring at an ever increasing rate, and SOBT is not exempt from this. These SOBT changes however, are meant to make your life, and ability to receive training, somewhat easier. SOBT is now directly involved with shipboard qualifications with the release of the Continuing Training and Qualification Manual, and the related Continuing Training and Qualification System application. Qualifica-

tions are now tied directly to SOBT products, so your ability to access, track, and record this training is essential for the completion of your qualification goals. SOBT has developed a learning management system (LMS), SEAWARE, which is designed to do just that. From SEAWARE, which will be located on your SUBLAN, supervisors will be able to assign and track progress on SOBT required training, and sailors will be able to access the SOBT products and bookmark their progress. Bookmarking allows you to return to the same location when you log back into a course in progress. SEAWARE will also record your training, very similar to eLearning on NKO.

Although some of you may be anxious about these changes, don't fret, we are here to help. If you are having any difficulties, let us know so that we can help you. Will there be bugs in the software? Possibly, so let us know if you come across any so that we may fix them. Also, we welcome

any suggestions for improvements to the SEAWARE LMS. Feedback from a pilot program conducted on four submarines has been incorporated into the current version. Contacting SOBT has never been easier, with the new fleet feedback forum on the CSP website (just go to the Submarine Learning Center forum and you will find SOBT). This forum is monitored daily, so your comments will not go unnoticed.

Commanding Officer
Submarine Learning Center

Director's Note

Training Videos

Nearly a decade ago, SOBT shifted training product development from a video based format to an interactive multimedia instruction (IMI) centric delivery. This shift was largely due to the higher level of interactivity associated with IMI, greater access to training products due to the increased number of computers on board, and dedicated memory for SOBT products on the SUBLAN.

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Over the last decade, advances in technology in the areas of memory storage capacity and network capability have made delivery of training videos on the SUBLAN network feasible. Why use training videos? Training videos represent the "Cadillac" of help sources. Rather than deciphering a page or more of information that is largely void of any supporting visual aids, sailors can learn by watching and listening to actual demonstrations of various procedures. For those of us that are primarily visual learners, this will allow us to pick up concepts quickly. Videos also have the ability to replay clips in case the listener missed what was being communicated.

This past March, SOBT delivered a series of videos with training specific to using the APB-09 fire control software. These videos represent a conglomeration of "how-to" training for a myriad of operations taught by the system experts. Using these videos, sailors will be able to quickly master most fire control operations discussed in the operation guidelines.

In the current distribution, Sep 2012, SOBT included a hybrid video training product (with functionality of both an IMI and a video) designed to help achieve first time success for infrequently performed diesel maintenance. This training video allows the user to select a maintenance item from a list of maintenance requirement cards (MRC) and watch how each procedure is accomplished by expert diesel mechanics. Each step within the MRC has its own link and associated video clip. The product can be used for divisional training or to walkthrough the completion of an upcoming maintenance item.

For those of us who have searched the archives of YouTube, you probably know that there are videos on line explaining how to do just about anything. Having personally used these instructional videos, I know they are very effective. If a picture is worth a thousand words, then a well-designed training video is worth an entire book. SOBT will continue to look for areas where training videos

can add value to the fleet, and we welcome your input. How many people have seen the video for the *USS Bonfish* fire???

SOBT Director

Weapons

Tip of the Spear

SOBT is currently in the process of working on and distributing the following products to the fleet:

SSN 21 IAL Normal Operations (DODUSNSLCSOBT_11004) - This course will address the Knowledge Requirements for the IAL Qual Card, to include: Duties and Responsibilities of the IAL Operator; Principles of operation and indications of the IAL support systems (hydraulics, air, seawater, electrical, and hand pump operations; location of all major valves and electrical components; all associated interlocks and safety precautions. This course will also provide a virtual line-up, allowing you to practice valve line-ups and performing initial conditions in accordance with the OD 44979 series.

SS Submarine Small Arms Training (DODUSNSLCSOBT_04052) - This course covers the definition of Deadly Force and all Small Arms and associated equipment that submarines carry. It includes animated views of the various Small Arms on board. It will give instruction to include, but not limited to, safety precautions, proper sight alignment, course of fire, breathing techniques, weapons malfunctions, as well as corrective actions for commonly experienced problems. This product will provide examples for the use for each weapon.

SS Tomahawk Cruise Missile Characteristics (DODUSNSLCSOBT_03039) - The purpose of this



On the Cover:

USS Pittsburgh (SSN-720) graces Portsmouth Harbor, UK in October, 2010

Photo courtesy of Chris Hunsicker via John Hummel.



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course is to train Weapons Department personnel on the physical and functional characteristics of the Tomahawk Cruise Missile. It covers Missile Basics, Launch Configurations, Missile Sections and Mission Profiles.

More amazing products will be coming to a "Theatre" near you! Be on the lookout.

TM Weapons/Force Protection Project Manager

SSGN/SSBN

SOBT is working diligently to complete the process of combining the SSBN and SSGN class products to avoid duplication of efforts and maintain a more cost effective, manageable library. There are currently thirteen SSBN/GN Class products being updated and will be released to the fleet by the first quarter of FY13. These products will be an essential part of your shipboard qualification program. These combined products will replace training products that were specific to either SSBN or SSGN.

This is the list of the products currently being updated:

- ◆ SSBN/SSGN BSQ Oxygen Generators and Oxygen Candle Furnace DODUSNSLCSOBT_03098
- ◆ SSBN/SSGN BSQ CO-H2 Burners DODUSNSLCSOBT_03097
- ◆ SSBN/SSGN BSQ Emergency Flood Control System DODUSNSLCSOBT_03094
- ◆ SSBN/SSGN BSQ Main Ballast Tank Blow Systems DODUSNSLCSOBT_03088
- ◆ SSBN/SSGN BSQ Steering and Diving Control System DODUSNSLCSOBT_03092
- ◆ SSBN/SSGN BSQ Torpedo Tubes DODUSNSLCSOBT_03128
- ◆ SSBN/SSGN BSQ 3-inch and 6-inch Launchers DODUSNSLCSOBT_03114

- ◆ SSBN/SSGN BSQ Ship Service 400-Hz Power Distribution System DODUSNSLCSOBT_03101
- ◆ SSBN/SSGN Air-Conditioning Plant DODUSNSLCSOBT_03105
- ◆ SSBN/SSGN Auxiliary Drain System DODUSNSLCSOBT_03052
- ◆ SSBN/SSGN Bridge DODUSNSLCSOBT_03108
- ◆ SSBN/SSGN Central Atmosphere Monitoring System DODUSNSLCSOBT_03115
- ◆ SSBN/SSGN Chilled Water System DODUSNSLCSOBT_03134

Note: The revised product should be the product used for qualifications.

SSBN/SSGN Project Manager

Engineering

What's new in Nucville!

We are starting to get the SSBN/SSGN consolidated products to the fleet. The upcoming products are the SSBN/SSGN BEQ Type II Primary Plant Instrumentation (DODUSNSLCSOBT_11009). There are also some nuclear indoctrination courses designed for non-nuclear Sailors to assist them in understanding what goes on aft of the water tight door: SSN 774 BSQ Nuclear Propulsion Plant Indoctrination (DODUSNSLCSOBT_01049), SSN 774 BSQ Basic Primary plant, Secondary Plant and Main Propulsion Complex (DODUSNSLCSOBT_01062). Other products coming out include an update to the ICCP/ASGS products for both Basic Submarine Qualification, as well as a course designed for technicians to learn to operate and troubleshoot these systems.

Nuclear Engineering Project Manager

Auxiliary Division Training

In April of this year, SOBT received a list of errors in the 6L16E Automated Electrolytic Oxygen Generator (AEOG) DODUSNSLCSOBT_03173



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course from an instructor stationed at Naval Submarine Training Center Pacific in Pearl Harbor. When SOBT reviewed the comments, we were able to identify several errors in the current technical manual. As a result, not only has the SOBT product been updated (reissued in September 2012 distribution), but the fleet will benefit from a better technical manual. This would not have been possible without the feedback from a dedicated, highly professional Sailor. Your feedback is important to the quality of our products and is incorporated into the revision of every product. Sailors can provide feedback by contacting the SOBT office directly or by using the feedback forum on the COMSUBPAC SIPRNET website (Submarine Learning Center/Submarine On Board Training).

Two other products have been revised to support the first-time success for Auxiliary division maintenance on the diesel and submarine hatches. Auxiliaries can use these products for continuing training and as just-in-time training for upcoming maintenance. Both products were developed with the assistance of field experts. The diesel training product covers many different infrequently performed maintenance items in great detail. Using these products prior to performing the maintenance will result in less time completing the maintenance and less rework.

MHM&E Project Manager

Communications

Here's a look at what has been updated on the communications side of SOBT.

The SSBN AN/BRR-6/6B Towed Buoy Virtual Equipment Trainer (DODUSNSLCSOBT_99016) has been updated to include the BRR-6B modifications. The AN/BRR-6/6B Towed Buoy Virtual Equipment Trainer is designed to provide training to SSBN personnel on the operation of the AN/BRR-6/6B Towed Buoy system. Specific topics include the description and location of inboard and outboard components. The simulator allows you to become

more familiar with the use and operation of the handling equipment.

We have combined the SSBN and SSGN BSQ's for the Common Submarine Radio Room (DODUSNSLCSOBT_99016) into one product and brought it up to date. The course provides a basic overview and understanding of the Radio Room Operations for the SSBN and SSGN class submarines. It includes system purpose and function, operation and location of major components, displays, controls and indicators and interfaces with other ship systems.

We have also updated the SSN 688, SSN 774 and SSGN ISIS Operations courses to TI-10. The ISIS TI-10 Operations (DODUSNSLCSOBT_09008, 12003 and 09007) is designed to provide education and training to ISIS operators. The lessons include:

- ◆ General, physical and documentation description
- ◆ Functional and interface description
- ◆ Operational Simulation or 'free play'

Communications Project Manager

Navigation

In the latest distribution, you will find the new SS Advanced Navigation product (DODUSNSLCSOBT_02011 Ver. 4.00). It is a fantastic course for your Navigation team, from your most junior QMOW to your most senior OOD. It is heavy on Battle Group Operations.

SOBT is currently working on updating the piloting briefs for Brisbane, Australia and the Norfolk Region. The Norfolk region will combine Norfolk Naval Station, Portsmouth Shipyard, Newport News Shipyard, and Yorktown Weapons Station into a single product. Radar Navigation and Contact Management and the SS Voyage Management System are also in revision. The latter will encompass the changes for VMS 9.3. Please incorporate



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SOBT into your Navigation Team training and as always, "Keep off the rocks and stay safe navigating."

If you have any comments to any of the existing courses or want to give your input to the new courses being developed contact

Navigation Project Manager

Wardroom

To successfully complete a deployment in today's tumultuous world requires extensive training in many different mission areas. PDT readies the crew to start their deployment, but once the lines are cast off the training needs to continue. Too often in recent history boats have followed one highly successful mission with an incident during their follow-on tasking. SOBT is a great way to keep all of your skills well honed throughout the entire deployment. One newly updated product is now available for help when tasking requires your ship to operate in a littoral environment.

The current revision to SS Submarine Shallow Water (Littoral) Operations (DODUSNSLCSOBT_05010) provides approximately two hours of training. It is designed to introduce wardroom and senior control room supervisors to the environmental limitations unique to submarines in a littoral environment and aid in developing a plan-of-action to successfully operate in littoral waters. The course begins by discussing the littoral environment and its effects on submarines. Then preparations for shallow water operations are covered, followed by a topic on guidance while conducting shallow water operations. Each lesson ends with a multiple choice examination to assess your overall comprehension of the material presented.

A submarine faces many challenges when operating in shallow water. SS Submarine Shallow Water (Littoral) Operations thoroughly explains the challenges along with the appropriate actions to overcome them. So if your next deployment takes you to a littoral environment, prepare for success with the latest interactive courseware from SOBT.

Strategic Weapons/Wardroom

SONAR

Two SONAR training products have been completed and are included in the September distribution. The first one is SS Active Operator (DODUSNSLCSOBT_05006). This module provides SSN and SSGN sonar operators with the requisite knowledge of AN/BQQ-10 High Frequency Active (HFA) and Medium Frequency Active (MFA) subsystems to successfully operate and employ active sonar and satisfy the requirements for the Active Sonar Operator qualification. Training topics include active sonar principles, effective active sonar employment, and operational characteristics of the AN/BQQ-10 HFA and MFA subsystems. This product also covers procedures for lining up and operating the system during Periscope Depth (PD), Anti-surface Warfare (ASUW), Anti-submarine Warfare (ASW), and Mine Avoidance Operations (MA).

The second new product, SS AN/BQQ-10 Sonar Supervisor (DODUSNSLCSOBT_07040), provides training to support qualifications for Sonar Supervisor personnel involved in AN/BQQ-10 operations. Specific topics to be covered within this module include: Duties and Responsibilities, Required Manning, Sensor Employment, Tactical Guidance, Sonar Search, Detection and Classification, Post Detection Procedures, Search Planning and Environmental Monitoring, Active Sonar Tracking, and Ships Tactical Weapons.

Courses that are currently in production:

- ◆ SSN 774 Sonar Watch Principles (DODUSNSLCSOBT_05035)
- ◆ SS JO Sonar (DODUSNSLCSOBT_00021)
- ◆ SSN 688 BSQ Sonar Systems (DODUSNSLCSOBT_97049)
- ◆ SSN 774 Basic SONAR Operator (DODUSNSLCSOBT_07023)
- ◆ SS PNB Theory (DODUSNSLCSOBT_06031)

Sonar Project Manager